

Amendments to the Claims:

This listing of claims replaces all prior listings of claims:

Listing of Claims:

1. (Currently Amended) A method, comprising:

sending a message including information for identifying a first network access entity from a mobile entity to a second network access entity, wherein the information identifying the first network access entity comprises at least one of a network identity associated with the first network access entity, an access point name, an identity associated with an access point through which the mobile entity was connected to the first network access entity, and a link layer address of the mobile entity, wherein a global address of the first network access entity is not known to the mobile entity; and

handing over a connection of the mobile entity from the first network access entity to the second network access entity,

wherein the message is configured to enable the second network access entity to direct traffic to the first network access entity based on the information included in the message, wherein the information is mapped, at the second network access entity, to the global address of the first network access entity.

2. (Previously Presented) The method according to claim 1, further comprising:

wherein the message is configured as a fast binding update message, and wherein the first network access entity is a gateway general packet radio service support node;

identifying, in the second network access entity, whether the message received from the mobile entity is directed to the first network access entity by checking an address indicated in the message, and checking whether the address is globally routable.

3. (Previously Presented) The method according to claim 2, wherein the identifying comprises checking the address to determine whether the address is globally routable or not based on a prefix of the address.

4. (Canceled)

5. (Previously Presented) The method according to claim 1, wherein the sending comprises sending the message before de-establishing a connection between the mobile entity and the first network access entity.

6. (Previously Presented) The method according to claim 1, wherein the sending comprises sending the message after de-establishing the connection between the mobile entity and the first network access entity.

7. (Previously Presented) The method according to claim 1, further comprising:

receiving at the second network access entity a message from the first network access entity including the global address of the first network access entity.

8. (Previously Presented) The method according to claim 1, further comprising:

providing in the second network access entity a mapping table in which the information for identifying the first network access entity received from the mobile entity is mapped to a global address of the first network access entity.

9. (Canceled)

10. (Previously Presented) The method according to claim 1, further comprising:

sending a message including all or part of the information for identifying the first network access entity to a proxy; and

determining, using the proxy, an address of the first network access entity.

11. (Original) The method according to claim 10, further comprising:
forwarding, using the proxy, traffic between the second network access entity and the first network access entity.

12. (Previously Presented) The method according to claim 1, further comprising:

monitoring, using the mobile entity, attributes of a network of the first network access entity in order to obtain the information for identifying the first network access entity.

13. (Previously Presented) The method according to claim 10, further comprising:

determining, using the second network access entity, an address of the proxy based on the information for identifying the first network access entity received from the mobile entity.

14. (Previously Presented) A method, comprising:

forming a message for handing over a connection of a mobile entity from a first network access entity to a second network access entity, wherein a global address of the second network access entity is not known to the mobile entity; and

sending the message including information for identifying the second network access entity from the mobile entity to the first network access entity, wherein the message enables the first network access entity to direct traffic to the second network access entity.

15. (Previously Presented) The method according to claim 14, further comprising:

sending, a message including all or part of the information for identifying the second network access entity to a proxy; and

determining, using the proxy, an address of the second network access entity.

16. (Previously Presented) The method according to claim 15, further comprising:

forwarding, using the proxy, traffic between the first network access entity and the second network access entity.

17. (Previously Presented) The method according to claim 14, further comprising:

monitoring, using the mobile entity, attributes of a network of the second network access entity in order to obtain the information for identifying the second network access entity.

18. (Previously Presented) The method according to claim 15, further comprising:

determining, using the first network access entity, the address of the proxy based on the information for identifying the second network access entity received from the mobile entity.

19. (Previously Presented) The method according to claim 14, further comprising:

identifying, in the first network access entity, whether the message received from the mobile entity is directed to the second network access entity by checking an address indicated in the message, and checking whether the address is globally routable.

20. (Previously Presented) The method according to claim 19, wherein the identifying comprises checking the address to determine whether the address is globally routable or not based on a prefix of the address.

21. (Previously Presented) The method according to claim 14, wherein the sending comprises sending the message comprising a handover initiate message.

22. (Original) The method according to claim 14, wherein providing in the first network access entity a mapping table in which the information for identifying the second network access entity received from the mobile entity is mapped to a global address of the second network access entity.

23. (Previously Presented) The method according to claim 14, wherein the sending comprises sending the information for identifying the second network access entity comprising at least one parameter selected from at least one parameter as follows:

- a target network identity,
- a target access point name, and
- an identity associated with an access point through which the mobile entity connects to the second network access entity.

24-40. (Cancelled)

41. (Previously Presented) An apparatus, comprising:

a processor, wherein the processor is configured to process data related to sending message including information to identify a first network access entity to a second network access entity, wherein a connection of the apparatus is handed over from the first network access entity to the second network access entity, the message enables the second network access entity to direct traffic to the first network access entity, wherein a global address of the first network access entity is not known to the apparatus.

42. (Previously Presented) The apparatus according to claim 41, wherein the message is a fast binding update message.

43. (Previously Presented) The apparatus according to claim 41, wherein the information to identify the first network access entity comprises at least one of the following parameters:

old network identity associated with the first network access entity,
old access point name,
identity associated with the access point through which the apparatus was connected to the first network access entity, and/or
a link layer address of the apparatus.

44. (Previously Presented) The apparatus according to claim 41, wherein the processor is further configured to monitor attributes of the network of the second

network access entity in order to obtain information to identify the second network access entity.

45. (Previously Presented) An apparatus, comprising:

a processor configured to process data related to sending a message including information to identify a second network access entity to a first network access entity, wherein a connection of the apparatus is handed over from the first network access entity to the second network access entity, the message enables the first network access entity to direct traffic to the second network access entity,

wherein a global address of the second network access entity is not known to the apparatus.

46. (Previously Presented) The apparatus according to claim 45, wherein the processor is configured to monitor attributes of the network of the second network access entity in order to obtain information to identify the second network access entity.

47. (Previously Presented) The apparatus according to claim 45, wherein the message is a handover initiate message.

48. (Previously Presented) The apparatus according to claim 45, wherein the information to identify the second network access entity comprises at least one of the following parameters:

a target network identity,

target access point name, or
identity associated with the access point through which the apparatus will be
connected to the second network access entity.

49. (Previously Presented) A computer program product embodied on a
computer readable medium, the computer program product being configured to control
a processor to perform a method comprising:

forming a message which enables a second network entity to direct traffic
destined to a first network entity when a connection is handed over from the first
network access entity to the second network access entity, wherein a global address of
the first network access entity is not known to a mobile entity; and

sending the message including information to identify the first network access
entity from the mobile entity to the second network access entity.

50. (Previously Presented) A computer program product embodied on a
computer readable medium, the computer program product being configured to control
a processor to perform a method comprising:

forming a message which enables a first network entity to direct traffic destined
to a second network entity when a connection is handed over from the first network
access entity to the second network access entity, wherein a global address of the first
network access entity is not known to a mobile entity; and

sending the message including information to identify the second network access
entity from the mobile entity to the first network access entity.

51. (Previously Presented) An apparatus, comprising:

a processor, wherein the processor is configured to:

process a received message from a mobile entity, the message including information to identify a second network access entity to the first network access entity, wherein a global address of the second network access entity is not known to the mobile entity; and

use said message to direct traffic to the second network access entity.

52. (Previously Presented) An apparatus, comprising:

forming means for forming a message including information for identifying a first network access entity to the second network access entity which enables the second network access entity to direct traffic to the first network access entity when a connection is handed over from the first network access entity to the second network access entity, wherein a global address of the first network access entity is not known to the apparatus; and

sending means for sending the message.

53. (Previously Presented) An apparatus, comprising:

forming means for forming a message including information for identifying a second network access entity to a first network access entity when a connection is handed over from the first network access entity to the second network access entity, the message enables the first network access entity to direct traffic to the second

network access entity, wherein of a global address of the second network access entity is not known to the apparatus; and

sending means for sending said message.

54. (Previously Presented) An apparatus, comprising:

receiving means for receiving a message from a mobile entity, the message including information for identifying a second network access entity to the first network access entity when a connection is handed over from the first network access entity to the second network access entity, wherein a global address of the second network access entity is not known to the mobile entity; and

traffic directing means for using said message to direct traffic to the second network access entity.